

## Claims

- [c1] An interconnecting device that interconnects communication in a computer network including one or more communication devices, said one or more communication devices including a management apparatus that manages the interconnecting device, the interconnecting device comprising:
- a first memory unit operable to store communication device identifying information for identifying a communication device performing communication via a connection port of the interconnecting device;
  - a second memory unit operable to store management apparatus identifying information for identifying the management apparatus;
  - a setting unit operable to perform communication setting for said interconnecting device, said setting being related to said one or more communication devices communicating via said connection port;
  - a processing unit operable to determine, in a case where said setting unit performs said setting related to one of said communication devices for communication via said connection port, whether or not said communication device identifying information stored in said first memory unit matches with said management apparatus identifying information stored in said second memory unit; and
  - a transmit unit operable to transmit setting information regarding said setting to said management apparatus when said communication device identifying information is determined to match with said management apparatus identifying information.
- [c2] An interconnecting device as claimed in claim 1, wherein said transmit unit transmits SNMP trap as said setting information to said management apparatus when said processing unit determines that said communication device identifying information matched with said management apparatus identifying information.
- [c3] An interconnecting device as claimed in claim 1, further comprising a receive unit operable to receive approval information indicating that a setting change performed by said setting unit is approved by said management apparatus which received said setting information, wherein

said setting unit registers a communication device for communication via said connection port in a case where said receive unit received said approval information.

[c4] An interconnecting device as claimed in claim 3, wherein said setting unit performs said registration in a case where said receive unit received said approval information within a predetermined time period after said transmit unit transmitted said setting information.

[c5] An interconnecting device as claimed in claim 1, wherein said setting related to said communication via said connection port includes a communication stop request setting for said communication,  
said processing unit determines, in a case where said setting unit performs said communication stop setting for said communication via said connection port, whether or not said communication device identifying information stored in said first memory unit matches with said management apparatus identifying information stored in said second memory unit, and  
said transmit unit transmits communication stop information, indicating said communication via said connection port between said management apparatus and said interconnecting device is to be stopped, as said setting information to said management apparatus in a case where said processing unit determined that said communication device identifying information matches with said management apparatus identifying information.

[c6] An interconnecting device as claimed in claim 5, further comprising a receive unit operable to receive approval information indicating that said stop of said communication between said management apparatus and said interconnecting device is approved by said management apparatus which received said communication stop information, wherein  
said setting unit performs said stop of said communication via said connection port in a case where said receive unit received said approval information.

[c7] An interconnecting device as claimed in claim 6, wherein said transmit unit further transmits information indicating a further connection port for communication by said management apparatus after said stop of said

communication via said connection port.

[c8] An interconnecting device as claimed in claim 1, wherein said setting unit performs setting related to a VLAN associated with said connection port, said processing unit determines, in a case where said setting unit performs said setting related to said VLAN, whether or not said communication device identifying information stored in said first memory unit matches with said management apparatus identifying information stored in said second memory unit, and said transmit unit transmits VLAN information, indicating details of said setting related to said VLAN, as said setting information to said management apparatus in a case where said processing unit determined said communication device identifying information matches with said management apparatus identifying information.

[c9] An interconnecting device as claimed in claim 8, further comprising a receive unit operable to receive approval information indicating a setting change in accordance with said VLAN information is approved by said management apparatus which received said VLAN information, wherein said setting unit performs said setting related to said VLAN associated with said connection port in a case where said receive unit received said approval information.

[c10] A communication setting method for an interconnecting device that interconnects communication in a computer network including one or more communication devices, said one or more communication devices including a management apparatus that manages the interconnecting device, the method comprising:  
storing communication device identifying information for identifying a communication device performing communication via a connection port of the interconnecting device;  
storing management apparatus identifying information for identifying the management apparatus;  
receiving a communication setting request related to said one or more

communication devices communicating via said connection port;  
in a case where said communication setting request was received, determining whether or not said communication device identifying information matches with said management apparatus identifying information; and  
transmitting setting information regarding said communication setting request to said management apparatus in a case where said communication device identifying information is determined to match with said management apparatus identifying information.

[c11] A communication setting method as claimed in claim 10, further comprising:  
receiving, from said management apparatus, approval information that indicates a setting change in accordance with said communication setting request is approved; and  
registering a communication device for communication via said connection port in accordance with said communication setting request in a case where said approval information was received.

[c12] A program stored in a computer-readable medium for use with an interconnecting device that interconnects communication in a computer network including one or more communication devices, said one or more communication devices including a management apparatus that manages the interconnecting device, the program comprising:  
a first storing module operable to instruct a first memory unit of the interconnecting device to store communication device identifying information for identifying a communication device performing communication via a connection port of the interconnecting device;  
a second storing module operable to instruct a second memory unit of the interconnecting device to store management apparatus identifying information for identifying the management apparatus;  
a setting module operable to perform communication setting of the interconnecting device related to said one or more communication devices communicating via said connection port;  
a determining module operable to determine, in a case where said setting module performs said setting related to one of said communication devices for

communication via said connection port, whether or not said communication device identifying information matches with said management apparatus identifying information; and

a transmitting module operable to cause the interconnecting unit to transmit setting information, regarding said setting by said setting module, to the management apparatus in a case where said communication device identifying information matches with said management apparatus identifying information.

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